(b) if so, the State-wise position of energy generation; and

(c) the steps taken to develop such types of sources in the tribal backward areas of Rajasthan, Gujarat and Madhya Pradesh?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) and (b) The Ministry of Non-Conventional Energy Sources is implementing a wide range of programmes such as biogas, improved chulhas, integrated rural energy programme, energy parks, small hydro power (upto 25 MW), wind power, solar power, biomass/co-generation, biomass gasifier, solar photovoltaics, solar thermal, solar cooker, solar photovoltaic pumps and small acrogenerators, etc. depending upon technical feasibility and economic viability of available technologies throughout the country. The State-wise installations made under various Non-conventional Energy programmes till 31st March, 2000 given in the annexed Statement. (*see* below)

(c) Ministry is making concentrated efforts in the high focus areas identified for implementation of its various programmes, which also include tribal and backward areas of Rajasthan, Gujarat and Madhya Pradesh. For biogas and improved chulha programmes higher rates of subsidies are also provided for the high focus areas.

Additional Power through Wind Power Projects in Orissa

1184. SHRI B.J. PANDA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether Government have explored the possibility of generating additional power through wind power projects in Orissa;

Statement

Statement installations made under Major Non Conventional Energy Programmes as on 31-3-2000.

Sl. No.	STATES/UT	Biogas Plants (Nos.)	Improved Chulha (Nos. in lakh)	SHP (MW)	Wind Power (MW)	Biomass Power (MW)	Solar Photovoltaic				Solar Cooker (Nos.)	Biomass Gasifiers (kW)	U&I (MW)
							SLS (Nos.)	HLS (Nos.)	SL (Nos.)	PP (Nos.)			
1.	Andhra Pradesh	273019	34.67	34.31	88.04	12	3217	1150	14401	20.6	11778	13634	7.7
2.	Arunachal Pradesh	631	0.33	21.05	0	0	738	650	4437	7.9	530	180	0
3.	Assam	35816	5.31	2.2	0	0	98	1666	475	3	80	23	0
4.	Bihar	111422	11.42	0.05	0	0	673	456	41949	0	730	20	0
5.	Goa	3145	1.17	0.05	0	0	31	31	51	1.72	1417	22	0
6.	Gujarat	331642	13.29	2	166.91	0.5	1584	840	14808	14	47908	3921	2
7.	Haryana	39373	9.87	0.2	0	4	1030	2939	20922	24.2	17752	964	0
8.	Himachal Pradesh	42119	6.6	11.6	0	0	844	6843	17248	0	25616	7	0
9.	Jammu & Kashmir	1759	4.14	8.37	0	0	389	10169	5225	0	345	120	0
10.	Karnataka	263621	14.56	25.35	34.22	37	516	28	898	3	250	3699	1
11.	Kerala	57231	8.67	5.52	2.025	0	675	2498	31386	4.7	194	615	0
12.	Madhya Pradesh	169780	29.01	5.66	22.58	5	5554	149	7601	22.6	181000	4429	2.7
13.	Maharashtra	641143	22.92	7.03	79.28	9	3045	226	5268	5.6	52017	3323	0
14.	Manipur	1756	0.65	4.1	0	0	370	50	3400	11	365	0	0
15.	Meghalaya	989	0.18	1.51	0	0	593	320	3200	31.5	1164	0	0
16.	Mizoram	2066	0.47	1176	0	0	315	1645	3539	0	118	0	0
17.	Nagaland	1032	0.26	3.87	0	0	271	8	0	6	0	0	0
18.	Orissa	156738	17.63	1.26	1.1	0	5482	1064	5105	33.5	2981	72	0
19.	Punjab	55683	11.07	9.9	0	10	955	2200	10265	41	17219	660	0.75

Sl. No.	STATES/UT	Biogas Plants (Nos.)	Improved Chulha (Nos. in lakh)	SHP (MW)	Wind Power (MW)	Biomass Power (MW)	Solar Photovoltaic				Solar Cooker (Nos.)	Biomass Gasifiers (kW)	U&I (MW)
							SLS (Nos.)	HLS (Nos.)	SL (Nos.)	PP (Nos.)			
20.	Rajasthan	65457	25.45	4.85	2	0	6685	15647	4624	0	36016	218	0
21.	Sikkim	2445	0.68	9.25	0	0	127	160	320	0	20	0	0
22.	Tamil Nadu	196413	26.11	6.7	770.73	94	2071	21	5203	25	1355	853	0.06
23.	Tripura	1015	0.53	1.01	0	0	340	1478	6895	24.6	68	0	0
24.	Uttar Pradesh	331339	37.04	31.39	0	50.05	708	57105	56288	178.9	39873	511	1
25.	West Bengal	160726	29.6	7.98	0	0	1264	8942	3271	190.9	5575	530	0
26.	Andaman & Nicobar	137	0.31	0	0	0	334	390	434	149.1	59	167	0
27.	Chandigarh	97	0.19	0	0	0	0	100	775	0	1523	0	0
28.	Dadar & Nagar Haveli	168	0.13	0	0	0	0	0	0	0	81	0	0
29.	Daman & Diu	0	0.01	0	0	0	0	0	0	0	0	0	0
30.	Delhi	671	2.66	0	0	0	301	0	4753	5	27990	74	0
31.	Lakshwadeep	0	0.05	0	0	0	704	0	5060	85	0	0	0
32.	Pondicherry	539	0.36	0	0	0	2	0	531	0	88	0	0
33.	Others	0	4.37	0	0.465	0	0	0	0	0	7000	318	0
	Total	2947972	319.71	216.97	1167.35	222	38916	116775	278332	888.82	481112	34360	15.21

SHP=Small Hydro Power, SLS=Street Lighting System.
U&I=Urban & Industrial Wast Energy

HLS=Home Lighting System,
SL=Solar Lanterns
PP=Power Plants

MW=Mega Watt, kW=Kilo W; kWp=Kilowatt peak

(b) if so, the steps taken in the direction during Eighth Five Year Plan period; and

(c) the details of the target set for generating additional power through wind mill in the State during the Ninth Plan?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) and (b) Under the Wind Resource Assessment Programme, six locations were identified in Orissa, which can be considered suitable for wind power projects. It was suggested to the State Government to take up a demonstration project at one of those locations. The State Government was also requested to announce a conductive policy for development of commercial wind power projects in the State.

(c) State-wise targets have not been set. Commercial wind power projects are set up based on techno-economic viability and the policies announced for such projects in different States.

FDI in Power Projects

1185. SHRI VIJAY J. DARDA: Will the Minister of POWER be pleased to state:

(a) what is the estimated foreign direct investment in ongoing power projects in the country, project-wise;

(b) the details of progress of ongoing power projects financed by foreign countries, project-wise;

(c) the details of power projects under active consideration for approval, project-wise; and

(d) the details of approved projects which could not be taken up for execution and the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) the Foreign Direct